

## Abstract

The invention relates generally to a method and an arrangement for transferring information in a packet radio service. The invention further concerns the technology of transferring control information relating to packet data transfer resources on individual packet-switched radio connections at the interface between a transmitting device and a receiving device. It is an objective of this invention to provide a method and a system that offers solutions to the prior art problems. Especially, it is an object of this invention to provide a solution for signalling, which enables the use of more than one connection (TBF) and time slot for packet data transfer in one data transfer direction, and the use of asymmetric resources for uplink/downlink data transfer. The objectives of the invention are fulfilled by providing a procedure, in which the one and same uplink control channel is used for transferring uplink control information, which relates to at least two downlink TBFs. This is preferably achieved by including in the uplink control message information on which downlink time slot the concerned TBF is transferred, assuming the uplink control channel uses an uplink timeslot of which the peer downlink timeslot (i.e. with same timeslot number) is not used by the concerned TBF. It is also preferably achieved by including in a downlink control message information on which uplink time slot control information is transferred corresponding to a determined TBF.

Fig. 4